SEQUENCE LISTING

<110> Krieger, Monty

<120> SR-B1 Antagonist And Use Thereof As Contraceptives And
In The Treatment Of Steroidal Overproduction

<130> MIT8299

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<150> 09/148,012
<151> 1998-10-04

<150> 60/057,943
<151> 1997-09-05

<160> 9

<170> PatentIn Ver. 2.0

<210> 1
<211> 1788
<212> DNA
<213> Hamster

<220>
<221> misc_feature
<222> (156)..(1683)
<223> Encodes amino acid sequence for the Hamster
Scavenger Receptor Class B-I

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cctgagcccc gcgagcccgg gccgcacacg cggacatggg cggcagcgcc agggcgcgct 180
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agcagtgcaa catgatcaat ggcacttccg ggcagatgtg ggcaccattc atgacacccc 960
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<211> 509
<212> PRT
<213> Hamster

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<222> (9)..(32)
<223> Putative

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<222> (440)..(464)
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<222> (102)..(104)
<223> Potential

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<222> (255)..(257)
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<223> Potential

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<223> Potential

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Pro Ser Leu Ile Lys Gln Gln Val Leu Lys Asn Val Arg Ile Asp Pro
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Ser Ser Leu Ser Phe Ala Met Trp Lys Glu Ile Pro Val Pro Phe Tyr
     50                  55                  60

Leu Ser Val Tyr Phe Phe Glu Val Val Asn Pro Ser Glu Ile Leu Lys
 65                  70                  75                  80

Gly Glu Lys Pro Val Val Arg Glu Arg Gly Pro Tyr Val Tyr Arg Glu
                 85                  90                  95

Phe Arg His Lys Ala Asn Ile Thr Phe Asn Asp Asn Asp Thr Val Ser
            100                 105                 110

Phe Val Glu His Arg Ser Leu His Phe Gln Pro Asp Arg Ser His Gly
        115                 120                 125

Ser Glu Ser Asp Tyr Ile Ile Leu Pro Asn Ile Leu Val Leu Gly Gly
    130                 135                 140

Ala Val Met Met Glu Ser Lys Ser Ala Gly Leu Lys Leu Met Met Thr
145                 150                 155                 160

Leu Gly Leu Ala Thr Leu Gly Gln Arg Ala Phe Met Asn Arg Thr Val
                165                 170                 175

Gly Glu Ile Leu Trp Gly Tyr Glu Asp Pro Phe Val Asn Phe Ile Asn
            180                 185                 190

Lys Tyr Leu Pro Asp Met Phe Pro Ile Lys Gly Lys Phe Gly Leu Phe
        195                 200                 205

Val Glu Met Asn Asn Ser Asp Ser Gly Leu Phe Thr Val Phe Thr Gly
    210                 215                 220

Val Gln Asn Phe Ser Lys Ile His Leu Val Asp Arg Trp Asn Gly Leu
225                 230                 235                 240

Ser Lys Val Asn Tyr Trp His Ser Glu Gln Cys Asn Met Ile Asn Gly
                245                 250                 255

Thr Ser Gly Gln Met Trp Ala Pro Phe Met Thr Pro Gln Ser Ser Leu
            260                 265                 270

Glu Phe Phe Ser Pro Glu Ala Cys Arg Ser Met Lys Leu Thr Tyr His
        275                 280                 285

Asp Ser Gly Val Phe Glu Gly Ile Pro Thr Tyr Arg Phe Thr Ala Pro
    290                 295                 300

Lys Thr Leu Phe Ala Asn Gly Ser Val Tyr Pro Pro Asn Glu Gly Phe
305                 310                 315                 320

Cys Pro Cys Leu Glu Ser Gly Ile Gln Asn Val Ser Thr Cys Arg Phe
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                325                 330                 335

Gly Ala Pro Leu Phe Leu Ser His Pro His Phe Tyr Asn Ala Asp Pro
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Val Leu Ser Glu Ala Val Leu Gly Leu Asn Pro Asp Pro Arg Glu His
        355                 360                 365

Ser Leu Phe Leu Asp Ile His Pro Val Thr Gly Ile Pro Met Asn Cys
    370                 375                 380

Ser Val Lys Leu Gln Ile Ser Leu Tyr Ile Lys Ala Val Lys Gly Ile
385                 390                 395                 400

Gly Gln Thr Gly Lys Ile Glu Pro Val Val Leu Pro Leu Leu Trp Phe
                405                 410                 415

Glu Gln Ser Gly Ala Met Gly Gly Glu Pro Leu Asn Thr Phe Tyr Thr
            420                 425                 430

Gln Leu Val Leu Met Pro Gln Val Leu Gln Tyr Val Gln Tyr Val Leu
        435                 440                 445

Leu Gly Leu Gly Gly Leu Leu Leu Leu Val Pro Val Ile Tyr Gln Leu
    450                 455                 460

Arg Ser Gln Glu Lys Cys Phe Leu Phe Trp Ser Gly Ser Lys Lys Gly
465                 470                 475                 480

Ser Gln Asp Lys Glu Ala Ile Gln Ala Tyr Ser Glu Ser Leu Met Ser
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Pro Ala Ala Lys Gly Thr Val Leu Gln Glu Ala Lys Leu
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<210> 3
<211> 1785
<212> DNA
<213> Mouse

<220>
<221> misc_feature
<222> (51)..(1577)
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tcggcgttgt catgatcctc atggtgccct ccctcatcaa gcagcaggtg ctcaagaatg 180
tccgcataga cccgagcagc ctgtccttcg ggatgtggaa ggagatcccc gtccctttct 240
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cagtagtccg ggagcgtgga ccctatgtct acagggagtt cagacaaaag gtcaacatca 360
ccttcaatga caacgacacc gtgtccttcg tggagaaccg cagcctccat ttccagcctg 420
acaagtcgca tggctcagag agtgactaca ttgtactgcc taacatcttg gtcctggggg 480
gctcgatatt gatggagagc aagcctgtga gcctgaagct gatgatgacc ttggcgctgg 540

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<213> Mouse

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Leu Gly Leu Leu Phe Ala Ala Leu Gly Val Val Met Ile Leu Met Val
             20                  25                  30

Pro Ser Leu Ile Lys Gln Gln Val Leu Lys Asn Val Arg Ile Asp Pro
         35                  40                  45

Ser Ser Leu Ser Phe Gly Met Trp Lys Glu Ile Pro Val Pro Phe Tyr
     50                  55                  60

Leu Ser Val Tyr Phe Phe Glu Val Val Asn Pro Asn Glu Val Leu Asn
 65                  70                  75                  80

Gly Gln Lys Pro Val Val Arg Glu Arg Gly Pro Tyr Val Tyr Arg Glu
                 85                  90                  95

Phe Arg Gln Lys Val Asn Ile Thr Phe Asn Asp Asn Asp Thr Val Ser
            100                 105                 110

Phe Val Glu Asn Arg Ser Leu His Phe Gln Pro Asp Lys Ser His Gly
        115                 120                 125

Ser Glu Ser Asp Tyr Ile Val Leu Pro Asn Ile Leu Val Leu Gly Gly
    130                 135                 140

Ser Ile Leu Met Glu Ser Lys Pro Val Ser Leu Lys Leu Met Met Thr
145                 150                 155                 160
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Leu Ala Leu Val Thr Met Gly Gln Arg Ala Phe Met Asn Arg Thr Val
                165                 170                 175

Gly Glu Ile Leu Trp Gly Tyr Asp Asp Pro Phe Val His Phe Leu Asn
            180                 185                 190

Thr Tyr Leu Pro Asp Met Leu Pro Ile Lys Gly Lys Phe Gly Leu Phe
        195                 200                 205

Val Gly Met Asn Asn Ser Asn Ser Gly Val Phe Thr Val Phe Thr Gly
    210                 215                 220

Val Gln Asn Phe Ser Arg Ile His Leu Val Asp Lys Trp Asn Gly Leu
225                 230                 235                 240

Ser Lys Ile Asp Tyr Trp His Ser Glu Gln Cys Asn Met Ile Asn Gly
                245                 250                 255

Thr Ser Gly Gln Met Trp Ala Pro Phe Met Thr Pro Glu Ser Ser Leu
            260                 265                 270

Glu Phe Phe Ser Pro Glu Ala Cys Arg Ser Met Lys Leu Thr Tyr Asn
        275                 280                 285

Glu Ser Arg Val Phe Glu Gly Ile Pro Thr Tyr Arg Phe Thr Ala Pro
    290                 295                 300

Asp Thr Leu Phe Ala Asn Gly Ser Val Tyr Pro Pro Asn Glu Gly Phe
305                 310                 315                 320

Cys Pro Cys Arg Glu Ser Gly Ile Gln Asn Val Ser Thr Cys Arg Phe
                325                 330                 335

Gly Ala Pro Leu Phe Leu Ser His Pro His Phe Tyr Asn Ala Asp Pro
            340                 345                 350

Val Leu Ser Glu Ala Val Leu Gly Leu Asn Pro Asn Pro Lys Glu His
        355                 360                 365

Ser Leu Phe Leu Asp Ile His Pro Val Thr Gly Ile Pro Met Asn Cys
    370                 375                 380

Ser Val Lys Met Gln Leu Ser Leu Tyr Ile Lys Ser Val Lys Gly Ile
385                 390                 395                 400

Gly Gln Thr Gly Lys Ile Glu Pro Val Val Leu Pro Leu Leu Trp Phe
                405                 410                 415

Glu Gln Ser Gly Ala Met Gly Gly Lys Pro Leu Ser Thr Phe Tyr Thr
            420                 425                 430

Gln Leu Val Leu Met Pro Gln Val Leu His Tyr Ala Gln Tyr Val Leu
        435                 440                 445

Leu Gly Leu Gly Gly Leu Leu Leu Leu Val Pro Ile Ile Cys Gln Leu
    450                 455                 460
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Arg Ser Gln Glu Lys Cys Phe Leu Phe Trp Ser Gly Ser Lys Lys Gly
465 470 475 480

Ser Gln Asp Lys Glu Ala Ile Gln Ala Tyr Ser Glu Ser Leu Met Ser
485 490 495

Pro Ala Ala Lys Gly Thr Val Leu Gln Glu Ala Lys Leu
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<213> Artificial Sequence

<220>
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<210> 6
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
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<210> 7
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<212> DNA
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<210> 8
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<210> 9
<211> 35

<212> DNA
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